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EUROPEAN PATENT APPLICATION

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⑴ Applicant: **VESTAR RESEARCH INC., 939, East Walnut Avenue, Pasadena California 91106 (US)**

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⑴ Representative: **Goldin, Douglas Michael et al, J.A. KEMP & CO. 14, South Square Gray's Inn, London WC1R 5EU (GB)**

㉙ **Method for preparing small vesicles using microemulsification.**

㉙ A method is provided for preparing small (less than 2000 Å) lipid vesicles in commercial quantities by microemulsifying lipid compositions using very high shear forces generated in a homogenizing apparatus operated at high pressures at a selected temperature. These vesicles are suitable for various biological applications including targeting of tumors in a body for diagnosis and treatment.

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X,D	EP-A-0 004 467 (THE REGENTS OF THE UNIVERSITY OF CALIFORNIA) * Page 21, lines 18-31; page 22, lines 12-31 *	1,4,6, 7,24	A 61 K 9/50 B 01 J 13/02
Y,D	---	8-13	
X	EP-A-0 107 559 (PARFUMS CHRISTIAN DIOR) * Claims *	1,24	
Y	---	8-13	
Y	G. GREGORIADIS: "Liposome technology", vol. I, "Preparation of liposomes", pages 51-65, CRC Press, Inc., Boca Raton, Florida, US * Pages 52-54 *	8-13	
	---		TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			A 61 K B 01 J
Y	G. GREGORIADIS: "Liposome technology", vol. II, "Incorporation of drugs, proteins, and genetic material", pages 19-31, CRC Press, Inc., Boca Raton, Florida, US * Pages 20-31, paragraphs A3, B2, C2, E1 *	14-31	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 09-07-1987	Examiner GERLI P.F.M.
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			



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Y	ANALYTICAL BIOCHEMISTRY, vol. 94, 1979, pages 302-307, Academic Press, Inc.; M.R. MAUK et al.: "Preparation of lipid vesicles containing high levels of entrapped radioactive cations" ---	14-31	
Y	US-A-4 310 506 (BALDESCHWIELER et al.) * Example 1; claims * --- -----	14-31	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
The present search report has been drawn up for all claims			
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<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			